



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
TRAFFIC OPERATIONS DIVISION
SUITE 1800, JAMES K. POLK BUILDING
505 DEADERICK STREET
NASHVILLE, TENNESSEE 37243-1402
(615) 253-1122

HOWARD H. ELEY
COMMISSIONER

BILL LEE
GOVERNOR

TO: Ben Price, Assistant Chief Engineer of Operations

FROM: Lee Smith, Interim Director of Traffic Operations


SUBJECT: **Proprietary Item Request and Justification**
City of Tullahoma

The City of Tullahoma is requesting the following items be used in all signalization projects within their jurisdiction over the next three years where Federal and/or State funding are used.

- 1) **Traffic Signal Controllers:** Siemens Controllers.
- 2) **Malfunction Management Units (MMU):** EDI-SmartMonitor MMUs.
- 3) **Traffic Signal Detection:** Iteris Vantage Video/Radar Detection.
- 4) **GPS Time Clock Units:** Simrex including Simsync Series.

The above items are essential for synchronization with existing facilities. The City of Tullahoma staff has been extensively trained to install, operate, maintain, program, troubleshoot, and repair these items. This allows technicians to quickly diagnose issues which reduces the time required to maintain the system overall and helps keep the system operational during heavy traffic times to ensure maximum capacity of the synchronized system. By utilizing these items as the standard for the City of Tullahoma, there will be a cost savings in stocking replacement equipment and will result in faster and less costly repair. See attached letter for additional justification details of this request.

I, Lee Smith, Interim Director of the Traffic Operations Division of the Tennessee Department of Transportation, do hereby certify that in accordance with the requirements of 23 CFR 635.411(a) (2) that the patented or proprietary items listed above are essential for the synchronization of existing facilities.


Lee Smith (Jul 5, 2023 16:46 CDT)

Interim Director of Traffic Operations



Assistant Chief Engineer of Operations

Jul 5, 2023

Date



CITY of TULLAHOMA

P.O. Box 807 Tullahoma, TN 37388
931-455-2648

February 23, 2023

Mr. Stephen K. Bryan, P.E., PTOE
Tennessee Department of Transportation
Traffic Operation Division
James K. Polk Building
505 Deadrick Street, 18th Floor
Nashville, TN 37243

Re: ***Propriety Request Letter***
PIN: 101589.01, State Project # 16009-2240-14
SR-55 Widening Project

Dear Mr. Bryan:


The City of Tullahoma would like to request a proprietary product certification for the following traffic signal equipment over the next (3) three years where Federal and/or State funds are used. The City of Tullahoma has existing traffic signal systems in place on state highways throughout the city that are maintained by the City of Tullahoma/Tullahoma Utilities Authority. The City prefers to use the same equipment on the upcoming referenced project on SR-55 in an effort to match current parts inventory and to use equipment that our staff are already trained on. The use of these specific items is also for the full synchronization capabilities within the existing and future traffic signal system in the City of Tullahoma. The proprietary items are as follows:

1. Controller- Seimens m60 Series ATC- There are a total of 20 traffic signal intersections maintained within the City of Tullahoma. Of those 20, six have Siemens controllers. We intend to migrate all cabinets to Siemens controllers within three years.
2. Conflict Monitor- EDI MMU-16LE SmartMonitor- There are a total of 20 traffic signal intersections maintained within the City of Tullahoma. Of those 20, fifteen have EDI conflict monitors and we intend to migrate to this type of conflict monitor in the future.
3. Video/Radar Detection- Iteris Vantage Vector- There are a total of 20 traffic signal intersections maintained within the City of Tullahoma. Of those 20, one intersection has Iteris Vantage Vector Detection and we intend to migrate to this type of video/radar detection in the future.
4. GPS Time Clock- SIMREX Corporation SIMSYNC- There are a total of 20 traffic signal intersections maintained within the City of Tullahoma. Of those 20, three have Simrex time clocks and we intend to migrate to this type of GPS time clock in the future.

Please accept this request and allow these proprietary items to be utilized in the upcoming project.

If you have any questions, please do not hesitate to contact me or Mr. Kenneth Pearson, Interim City Administrator at (931) 455-2648.

Sincerely,


Ray Knowis
Mayor, City of Tullahoma